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PTO/SB/21 (09-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/617,489
		Filing Date	July 10, 2003
		First Named Inventor	Thomas L. CANTOR
		Art Unit	1641
		Examiner Name	C. Cheu
Total Number of Pages in This Submission	8	Attorney Docket Number	532212000623

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form (1 page plus duplicate) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB/08a/b (1 page plus duplicate) References (18) Return Receipt Postcard
<b>Remarks</b>		

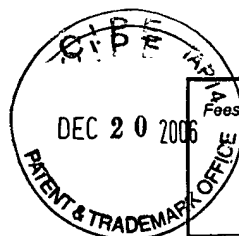
**CUSTOMER NO.: 25225****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	MORRISON & FOERSTER LLP		
Signature			
Printed name	Peng Chen		
Date	December 20, 2006	Reg. No.	43,543

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV915687090 US, on the date shown below in an envelope addressed to: MS Amendment Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: December 20, 2006

Signature: (Lenay Rogus).



Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2006

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00

### Complete if Known

Application Number 10/617,489  
Filing Date July 10, 2003  
First Named Inventor Thomas L. CANTOR  
Examiner Name C. Cheu  
Art Unit 1641  
Attorney Docket No. 532212000623

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):  
☒ Deposit Account Deposit Account Number: 03-1952 Deposit Account Name: Morrison & Foerster LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

### FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	0.00
Design	200	100	100	50	130	65	0.00
Plant	200	100	300	150	160	80	0.00
Reissue	300	150	500	250	600	300	0.00
Provisional	200	100	0	0	0	0	0.00

#### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims 69 - 101 Extra Claims x Fee (\$)

Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims 6 - 6 = Extra Claims x Fee (\$)

Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3.

#### Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$)

Fee Paid (\$)

- 100 = /50 (round up to a whole number) x = 0.00

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

0.00

Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement

180.00

#### SUBMITTED BY

Signature Registration No. 43,543 Telephone (858) 720-5117  
Name (Print/Type) Peng Chen Date December 20, 2006

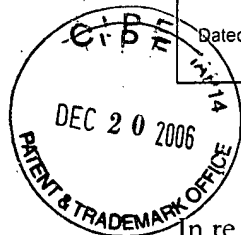
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 915687090 US, on the date shown below in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: December 20, 2006

Signature:

(Lenay Rogus)

Patent  
Docket No. 532212000623



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Thomas L. CANTOR

Serial No.: 10/617,489

Filing Date: July 10, 2003

For: METHODS, KITS AND ANTIBODIES  
FOR DETECTING PARATHYROID  
HORMONE

Examiner: C. Cheu

Group Art Unit: 1641

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicant submits for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the documents are also submitted herewith. The Examiner is requested to consider and make these documents of record.

Document number 1 is the Patent Owner's Second Supplemental Response to Final Office Action from the Reexamination proceeding of United States Patent Number 6,689,566, having Control Numbers 90/007,685 and 90/007,732. The present application is a Continuation-in-Part of U.S. Patent No. 6,743,590, which is a Continuation-in-Part of the U.S. Patent No. 6,689,566. Document number 2 is from pending patent application Serial Number 10/945,608, filed September

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20, 2004, which is a Continuation of application Serial Number 10/760,091, filed January 16, 2004, which is a Continuation of U.S. Patent No. 6,743,590, which is a Continuation-in-Part of U.S. Patent No. 6,689,566.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \_\_ is enclosed.
  - ☒ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_ is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicant would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 532212000623.

Dated: December 20, 2006

Respectfully submitted,

By 

Peng Chen

Registration No.: 43,543  
MORRISON & FOERSTER LLP  
12531 High Bluff Drive, Suite 100  
San Diego, California 92130-2040  
(858) 720-5117



ALTERNATIVE TO PTO/SB/08a/b (07-05)

<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/617,489	
			Filing Date	July 10, 2003	
			First Named Inventor	Thomas L. CANTOR	
			Art Unit	1641	
			Examiner Name	C. Cheu	
Sheet	1	of	1	Attorney Docket Number	532212000623

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1.	Second Supplemental Response to Final Office Action from the Reexamination of United States Patent Number 6,689,566, having Control Numbers 90/007,685 and 90/007,732, filed December 1, 2006	
	2.	Non-Final Office Action from application serial number 10/945,608, mailed on November 15, 2006	
	3.	BORN et al., Endocrinology (1988) 123(4):1848-1853	
	4.	BORN et al., Mol. Endocrinol. (1987) 1:5-14	
	5.	BRINGHURST et al., Am. J. Physiol. (1988) 255(6 Pt 1):E886-93	
	6.	BRINGHURST et al., Endocrinology (1981) 108:103-108	
	7.	GARDELLA et al., Journal of Biological Chemistry (1991) 266:13141-13146	
	8.	GOLTZMANN et al., Journal of Biological Chemistry (1975) 250:3199-3203	
	9.	HORIUCHI et al., Am. J. Physiol. (1983) 244(6):E589-95	
	10.	KEUTMANN et al., Endocrinology (1985) 117(3):1230-1234	
	11.	NEER et al., J. Clin. Endocrinol. Metab. (1977) 44(2):420-423	
	12.	REEVE et al., Br. Med. J. (1980) 280:1340-1344	
	13.	ROSENBLATT et al., Biochemistry (1981) 20(25):7246-7250	
	14.	ROSENBLATT et al., Endocrinology (1978) 103(3):978-984	
	15.	SEGRE et al., Endocrinology (1985) 116(3):1024-1029	
	16.	SHIGENO et al., Journal of Biological Chemistry (1988) 263:3864-3871	
	17.	TREGGAR et al., Endocr. Res. Commun. (1975) 2(8):561-570	
	18.	Four litigation documents in Japanese requesting withdrawal of the Japanese Patent Office's invalidation of JP Patent No. 3457004, Nichols Institute Diagnostics v. Scantibodies Laboratories of Japan, Japanese High Court	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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sd-350469